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MEMORANDUM FOR THE RECORD

SUBJECT: AN/ARC-50 Maintenance Concept

1. On 3 February 1966 [redacted] attended a conference [redacted] on the ARC-50 maintenance concept. This meeting was primarily for the RS-71 program; however, much was learned that will enhance our program.

2. It was determined that field level maintenance should include trouble shooting and repair at the line replacement unit (LRU) on the flight line and trouble shooting and repair down to the component in the shops where test equipment, tech data and technical skill are available for this level maintenance. Upon finalization of the above maintenance concept an ARC-50 provisioning conference will be scheduled. During this provisioning it is mandatory that sufficient systems, sub-assemblies, components, etc. be procured to support the maintenance concept and to insure airborne equipment is not used in bench mock-ups and/or mobile test equipment, as is now the case.

3. "Standard Configuration" was also discussed. It was generally agreed by all that the systems, ARC-50, should be standardized to the "BX" configuration. There are presently in the inventory three configurations, the ARC-50 AY, ARC-50 BY and the ARC-50 BX. The "BX" being the latest. In our program we are concerned with four modules of the dash 801 part number which must be replaced with the dash 802 part number to get us to the "BX" configuration. These modules should be replaced as soon as possible as most of them have been degraded by overheating. This was caused by insufficient cooling air getting to the LRU's during flight. A redesign of the aircraft airconditioning system has corrected this problem. [redacted] will furnish Headquarters with the list of modules that need replacing.

MD/OSA

MD/OSA [redacted]
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